

CLAIMS

What Is Claimed Is:

1                    1.     A transcription factor comprising a member selected from the  
2     group consisting of:

3                    (a) a peptide having an amino acid sequence of SEQ ID NO:2;

4                    (b) a peptide having an amino acid sequence identical to a peptide  
5                    produced by translation of coding portions of nucleic acid  
6                    sequence Seq ID NO:1;

7                    (c) a peptide having an amino acid sequence identical to a peptide  
8                    produced by translation of nucleic acid sequence SEQ  
9                    NO:3;

10                   (d) a peptide having at least 95% sequence homology to peptide  
11                   (a).

1                    2.     An isolated polynucleotide comprising a member selected  
2     from the group consisting of:

3                    (a) a polynucleotide having a sequence identical to SEQ ID NO:1;  
4                    and

5                    (b) a polynucleotide which hybridizes to and which is at least 95%  
6                    complementary to polynucleotide (a); and

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7 (c) a polynucleotide that is exactly complementary to  
8 polynucleotide (b).

1 3. An isolated polynucleotide comprising a member selected  
2 from the group consisting of:

- 3 (a) a polynucleotide having a sequence identical to SEQ ID NO:3;  
4 (b) a polynucleotide which hybridizes to and which is at least 95%  
5 complementary to polynucleotide (a); and  
6 (c) a polynucleotide that is exactly complementary to polynucleotide  
7 (b)

1 4. A method of altering plant development comprising  
2 transforming a plant with nucleic acid sequence selected from the group consisting  
3 of:

- 4 (a) a polynucleotide having a sequence identical to SEQ ID NO:1;  
5 (b) a polynucleotide which hybridizes to and which is at least 95%  
6 complementary to polynucleotide (a)  
7 (c) a polynucleotide having a sequence identical to SEQ ID NO:3;  
8 and  
9 (d) a polynucleotide which hybridizes to and which is at least 95%  
10 complementary to polynucleotide (c).

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1                   5.     A transgenic plant produced by transforming a plant with a  
2     nucleic acid sequence selected from the group consisting of:

- 3                   (a) a polynucleotide having a sequence identical to SEQ ID NO:1;  
4                   (b) a polynucleotide which hybridizes to and which is at least 95%  
5                         complementary to polynucleotide (a)  
6                   (c) a polynucleotide having a sequence identical to SEQ ID NO:3;  
7                         and  
8                   (d) a polynucleotide which hybridizes to and which is at least 95%  
9                         complementary to polynucleotide (c).

1                   6.     A method of altering plant development comprising transforming a  
2     plant with a nucleic acid sequence coding for a CCA1 protein, said protein having a  
3     domain showing at least 85% homology to amino acids 24-75 of SEQ ID NO:2.

1                   7.     A transgenic plant transformed with a nucleic acid sequence coding  
2     for a CCA1 protein, said protein having a domain showing at least 85% homology to  
3     amino acids 24-75 of SEQ ID NO:2.

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